BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Concrete Retaining Wall And Other Civil Works to Mallasandra Colony School In Ward No 13 Shettyhalli Sub Division

Bill Abstract

Name of the Contractor - M/S Technical Maneger (West) KRIDL,

Administration Approval - EE/DD/AS/197/2019-20 Dated - 20-01-2020

Technical Approval - CE/DZ/TS/006/2019-20 Dated -27-01-2020

Job Code - 013-20-000068 P Code - 1878

Est Cost - 95.00 lakhs

Sl No	Description of work	Quantity	Rate	Unit	Amount
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications, specification.	1537.87	268.92	Cum	413564.00
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms*thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	32.13	5698.8	Cum	183096.02
3	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters conforming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	368.01	6414.62	Cum	2360644.31

ಸಹಾಯಕ ಅಭಿಯಂತರರು ಆಯುಕ್ತರು
ಪೂರ್ವ ವಲಯ, ಬಿಬಿಎಂಪಿ
ಶಿವಾಜಿನಗರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಶಿವಾಜಿನಗರ, ಬೆಂಗಳೂರು.

1-8

Scanned with CamScanner

7	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	657	386.64	Sqm	254022.48
8	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design flaps, hooks and	24.76	76643.28	Ton	1897887.81
10	Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of	105.84	2258.28	Cum	239016.36

Construction cost	5347754.33
Add GST	541762.44
Add KRIDL Charge	213973.86
Total cost	6203538.63

Assistante Engineer
Ward No 13

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Concrete Retaining Wall And Other Civil Works to Mallasandra Colony School In Ward No 13 Shettyhalli Sub Division

Pre measurement record on :- 10-02-2020

Description of work	No	Dimensions			Quantity	Unit
		L	B	D		
Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification.						
over burden earth	1	61.2	(4+3.5)/2	(5.0+4.2)/2	1055.70	
R wall Footing	1	61.20	3.50	1.20	257.04	
Pavement area	1	16.2	(12.5+4.6/2	(0.65+0.95)/2	124.65	
Pavement area	1	32.6	(4.6+2.25)/2	(0.65+0.95)/2	100.48	
					1537.87	Cum

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಬ್ಬಿಕಳ್ಳ ಉಪವಿಭಾಗ. ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ. ರವೀಂದ್ರನಗರ. ಬೆಂಗಳೂರು.

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Concrete Retaining Wall And Other Civil Works to Mallesandra Colony School In Ward No 13 Shettyhalli Sub Division

Pre measurement record on :- 20-02-2026

Sl No	Description of work	No	Dimensions			Quantity	Unit
			L	B	D		
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 1.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications						
	Retaining wall footng	1	61.2	3.5	0.15	32.13	
						32.13 Cum	

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಮಾನ್ಯ ರವರಿಗೆ, ದಾಸರಹಳ್ಳಿ, ಬೆಂಗಳೂರು.

4/8

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Concrete Retaining Wall And Other Civil Works to Mallasandra Colony School In Ward No 13 Shettyhalli Sub Division

Measurement record on :- 16-02-2020

Sl No	Description of work	No	Dimensions			Quantity	Unit
			L	B	D		
6	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspilliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications						
	RCC Retaining wall Footing	1	61.20	3.20	1.00	195.84	
	RCC Retaining wall	1	46.20	(0.9+.3)2	4.75	131.67	
		1	15.00	(0.9+.3)2	4.50	40.50	
						368.01	Cum

E.E. (D.D.)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

5/8

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: **Construction of Concrete Retaining Wall And Other Civil Works to Mallasandra Colony School In Ward No 13 Shettyhalli Sub Division**

measurement record on :- 16-02-2020

Sl No	Description of work	No	Dimensions			Quantity	Unit
			L	B	D		
7	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications						
	Retaining wall footing side	2	61.20		1.00	122.40	
	Retaining wall	2	46.20		4.75	438.90	
	Retaining wall	2	15.00		4.50	135.00	
						696.30	Sqm
			Limited to			657	Sqm

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

6/8

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Concrete Retaining Wall And Other Civil Works to Mallasandra Colony School In Ward No 13 Shettyhalli Sub Division

Pre measurement record on :- 15-02-2020

Sl No	Description of work	No	Dimensions			Quantity	Unit
			L	B	D		
8	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,tapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications						
	Footing Mat 20 mm	2	409.00	3.90	3190.20	7847.892	
	Footing Distrs 16mm	2	25.00	61.20	3060.00	4834.8	
	Footing Suporting Chairs 20 mm	63	4.80		302.40	743.904	
	Retaining wall main rod 16 mm	2	309.00	6.40	3955.20	6249.216	
		2	99	6.1	1207.80	1908.324	
	Distrs 10mm	2	46.1	41	3780.2	2343.724	
		2	15	38	1140	706.8	
	U clamp 12mm	61	2.4		146.4	130.296	
						24764.956	Kg

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಕ್ಷಣಕ್ಕ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

7/8

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Concrete Retaining Wall And Other Civil Works to Mallasandra Colony School In Ward No 13 Shettyhalli Sub Division

Pre measurement record on :- 02-03-2020

Description of work	No	Dimensions			Quantity	Unit
		L	B	D		
Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, HOM complete as per specifications.						
Retaning wall back	1	46.20	0.40	4.75	87.78	
Retaning wall back	1	15.00	0.40	4.50	27.00	
					114.78	Cum

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

8/8

Scanned with CamScanner